

SEQUENCE LISTING |

- <110> University of Delhi South Campus
 Dhara Vegetable Oil and Foods Company Limited
 Bisht, Naveen Chandra |
 Jagannath, Arun |
 Gupta, Vibha |
 Burma, Pradeep Kumar
 Pental, Deepak
- <120> A METHOD FOR OBTAINING IMPROVED FERTILITY RESTORER LINES IN MALE STERILE CROP PLANTS FOR HYBRID SEED PRODUCTION AND A DNA CONSTRUCT FOR USE IN SAID METHOD
- <130> HSM-DU-AJ |
- <160> 18 |
- <170> PatentIn version 3.1
- <210> 1 |
 <211> 273
 <212> DNA
 <213> Bacillus amyloliquefaciens
- <400> 1 |
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 aagcagctga ctgaaaatgg cgccgagagt gtgcttcagg ttttccgtga agcgaaagcg 240
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- <210> 2
 <211> 90
 <212> PRT
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- <400> 2
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 1 5 10 15
- Leu His Gln Thr Leu Lys Lys Glu Leu Ala Leu Pro Glu Tyr Tyr Gly
 20 25 30
- Glu Asn Leu Asp Ala Leu Trp Asp Cys Leu Thr Gly Trp Val Glu Tyr
 35 40 45
- Pro Leu Val Leu Glu Trp Arg Gln Phe Glu Gln Ser Lys Gln Leu Thr
 50 55 60

Glu Asn Gly Ala Glu Ser Val Leu Gln Val Phe Arg Glu Ala Lys Ala |
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Glu Gly Cys Asp Ile Thr Ile Ile Leu Ser |
 85 90

<210> 3 |

<211> 273

<212> DNA

<213> Artificial sequence

<220> |

<223> This sequence was artificially generated from a wild type barstar gene |

<400> 3

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tgtcttactg gatgggttga gtaccctctt gttttggaat ggaggcaatt cgagcaatct 180

aagcaactta ctgagaatgg agctgagagc gttcttcaag tgtttagaga agctaaggct 240

gaaggatgtg acatcactat cattctttct taa 273

<210> 4

<211> 90

<212> PRT

<213> Bacillus amyloliquefaciens

<400> 4

Met Lys Lys Ala Val Ile Asn Gly Glu Gln Ile Arg Ser Ile Ser Asp
 1 5 10 15

Leu His Gln Thr Leu Lys Lys Glu Leu Ala Leu Pro Glu Tyr Tyr Gly
 20 25 30

Glu Asn Leu Asp Ala Leu Trp Asp Cys Leu Thr Gly Trp Val Glu Tyr
 35 40 45

Pro Leu Val Leu Glu Trp Arg Gln Phe Glu Gln Ser Lys Gln Leu Thr
 50 55 60

Glu Asn Gly Ala Glu Ser Val Leu Gln Val Phe Arg Glu Ala Lys Ala
 65 70 75 80

Glu Gly Cys Asp Ile Thr Ile Ile Leu Ser |

85

90 |

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 <211> 84
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<220> |
 <223> This oligo was synthetically generated |

<400> 5
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 ttgaagaagg agcttgctct tcct 84

<210> 6
 <211> 85
 <212> DNA
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<220>
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<400> 6
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 gtactcagga agagcaagct ccttc 85

<210> 7
 <211> 84
 <212> DNA
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<220>
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 actgagaatg gagctgagag cggt 84

<210> 8
 <211> 78
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 8
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<210> 9 |
<211> 30
<212> DNA
<213> Artificial Sequence

<220> |
<223> This forward primer was synthetically generated

<400> 9
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<210> 10
<211> 29
<212> DNA
<213> Artificial Sequence

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<400> 10
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<210> 11
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<212> DNA
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<220>
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<400> 11
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<210> 12
<211> 17
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<210> 15

<211> 25

<212> DNA

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<223> This forward primer for the wild type barstar gene was synthetically generated

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<210> 16

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<400> 16

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<210> 17

<211> 24

<212> DNA

<213> Artificial Sequence

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<400> 17

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<210> 18

<211> 29

<212> DNA

<213> Artificial Sequence

<220> |
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<400> 18
ctagtctaga ttaagaaaga atgatatg 29